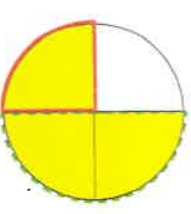
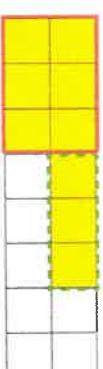
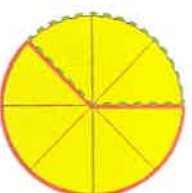
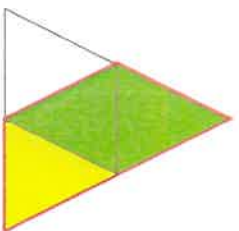
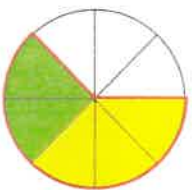
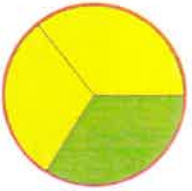


Sčítání zlomků se stejným jmenovatelem.

Odečítání zlomků se stejným jmenovatelem.

Zlomky se stejným jmenovatelem sčítáme tak, že sečteme čitatele zlomků a jmenovatele opíšeme.

Zlomky se stejným jmenovatelem odčítáme tak, že odečteme čitatele zlomků a jmenovatele opíšeme.



$$\frac{2}{3} + \frac{1}{3} = \frac{3}{3} = 1$$

$$\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$$

$$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$$

$$\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$$

$$\frac{3}{16} + \frac{3}{16} = \frac{6}{16}$$

$$\frac{2}{4} + \frac{2}{4} = \frac{4}{4}$$

Sčítej zlomky.

Odečítej zlomky.

$$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$$

$$\frac{2}{3} + \frac{1}{3} = \frac{3}{3} = 1$$

$$\frac{1}{5} + \frac{1}{5} = \frac{2}{5}$$

$$\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$$

$$\frac{4}{5} - \frac{2}{5} = \frac{2}{5}$$

$$\frac{4}{6} - \frac{1}{6} = \frac{3}{6}$$

$$\frac{1}{2} + \frac{1}{2} = \frac{2}{2} = 1$$

$$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$$

$$\frac{2}{5} + \frac{2}{5} = \frac{4}{5}$$

$$\frac{4}{4} - \frac{2}{4} = \frac{2}{4} = \frac{1}{2}$$

$$\frac{5}{6} - \frac{4}{6} = \frac{1}{6}$$

$$\frac{3}{5} - \frac{2}{5} = \frac{1}{5}$$

$$\frac{3}{10} + \frac{5}{10} = \frac{8}{10} = \frac{4}{5}$$

$$\frac{7}{10} + \frac{2}{10} = \frac{9}{10}$$

$$\frac{1}{10} + \frac{4}{10} = \frac{5}{10} = \frac{1}{2}$$

$$\frac{4}{5} - \frac{1}{5} = \frac{3}{5}$$

$$\frac{6}{7} - \frac{5}{7} = \frac{1}{7}$$

$$\frac{5}{6} - \frac{1}{6} = \frac{4}{6} = \frac{2}{3}$$

$$\frac{4}{9} + \frac{4}{9} = \frac{8}{9}$$

$$\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$$

$$\frac{7}{9} + \frac{1}{9} = \frac{8}{9}$$

$$\frac{5}{6} - \frac{3}{6} = \frac{2}{6} = \frac{1}{3}$$

$$\frac{7}{8} - \frac{6}{8} = \frac{1}{8}$$

$$\frac{5}{7} - \frac{4}{7} = \frac{1}{7}$$

$$\frac{2}{7} + \frac{4}{7} = \frac{6}{7}$$

$$\frac{4}{5} + \frac{1}{5} = \frac{5}{5} = 1$$

$$\frac{2}{8} + \frac{4}{8} = \frac{6}{8} = \frac{3}{4}$$

$$\frac{6}{6} - \frac{4}{6} = \frac{2}{6} = \frac{1}{3}$$

$$\frac{6}{8} - \frac{5}{8} = \frac{1}{8}$$

$$\frac{7}{7} - \frac{2}{7} = \frac{5}{7}$$

$$\frac{1}{4} + \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$$

$$\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$$

$$\frac{4}{6} + \frac{1}{6} = \frac{5}{6}$$

$$\frac{6}{7} - \frac{4}{7} = \frac{2}{7}$$

$$\frac{7}{8} - \frac{1}{8} = \frac{6}{8} = \frac{3}{4}$$

$$\frac{8}{8} - \frac{2}{8} = \frac{6}{8} = \frac{3}{4}$$

$$\frac{3}{8} + \frac{3}{8} = \frac{6}{8} = \frac{3}{4}$$

$$\frac{1}{8} + \frac{5}{8} = \frac{6}{8} = \frac{3}{4}$$

$$\frac{4}{8} + \frac{4}{8} = \frac{8}{8} = 1$$

$$\frac{4}{5} - \frac{3}{5} = \frac{1}{5}$$

$$\frac{8}{9} - \frac{6}{9} = \frac{2}{9}$$

$$\frac{4}{9} - \frac{3}{9} = \frac{1}{9}$$

$$\frac{5}{20} + \frac{3}{20} = \frac{8}{20} = \frac{2}{5}$$

$$\frac{14}{20} + \frac{5}{20} = \frac{19}{20}$$

$$\frac{1}{20} + \frac{13}{20} = \frac{14}{20} = \frac{7}{10}$$

$$\frac{6}{9} - \frac{1}{9} = \frac{5}{9}$$

$$\frac{5}{9} - \frac{3}{9} = \frac{2}{9}$$

$$\frac{7}{10} - \frac{5}{10} = \frac{2}{10} = \frac{1}{5}$$

$$\frac{6}{12} + \frac{3}{12} = \frac{9}{12} = \frac{3}{4}$$

$$\frac{2}{15} + \frac{7}{15} = \frac{9}{15} = \frac{3}{5}$$

$$\frac{11}{100} + \frac{39}{100} = \frac{50}{100} = \frac{1}{2}$$

$$\frac{8}{9} - \frac{5}{9} = \frac{3}{9} = \frac{1}{3}$$

$$\frac{9}{10} - \frac{8}{10} = \frac{1}{10}$$

$$\frac{4}{10} - \frac{2}{10} = \frac{2}{10} = \frac{1}{5}$$

$$\frac{7}{15} + \frac{3}{15} = \frac{10}{15} = \frac{2}{3}$$

$$\frac{3}{14} + \frac{9}{14} = \frac{12}{14} = \frac{6}{7}$$

$$\frac{8}{17} + \frac{7}{17} = \frac{15}{17}$$

$$\frac{9}{10} - \frac{5}{10} = \frac{4}{10} = \frac{2}{5}$$

$$\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$$

$$\frac{3}{4} - \frac{1}{4} = \frac{2}{4} = \frac{1}{2}$$

$$\frac{1}{100} + \frac{1}{100} = \frac{2}{100} = \frac{1}{50}$$

$$\frac{30}{50} + \frac{5}{50} = \frac{35}{50} = \frac{7}{10}$$

$$\frac{10}{20} + \frac{4}{20} = \frac{14}{20} = \frac{7}{10}$$

$$\frac{9}{10} - \frac{3}{10} = \frac{6}{10} = \frac{3}{5}$$

$$\frac{4}{5} - \frac{3}{5} = \frac{1}{5}$$

$$\frac{2}{5} - \frac{1}{5} = \frac{1}{5}$$

Odčítání zlomků se stejným jmenovatelem.

$$\begin{array}{r} 7 - \frac{5}{8} = \underline{\quad} \\ 6 - \frac{4}{9} = \underline{\quad} \\ 5 - \frac{4}{6} = \underline{\quad} \\ 4 - \frac{1}{4} = \underline{\quad} \\ 4 - \frac{1}{4} = \underline{\quad} \\ 5 - \frac{3}{5} = \underline{\quad} \\ 6 - \frac{5}{7} = \underline{\quad} \\ 7 - \frac{1}{3} = \underline{\quad} \\ 2 - \frac{1}{2} = \underline{\quad} \\ 2 - \frac{1}{2} = \underline{\quad} \\ 8 - \frac{3}{9} = \underline{\quad} \\ 9 - \frac{3}{9} = \underline{\quad} \\ 7 - \frac{3}{8} = \underline{\quad} \end{array}$$

$$\begin{array}{r} 18 - \frac{13}{25} = \underline{\quad} \\ 25 - \frac{18}{30} = \underline{\quad} \\ 32 - \frac{12}{45} = \underline{\quad} \\ 16 - \frac{7}{18} = \underline{\quad} \\ 18 - \frac{7}{18} = \underline{\quad} \\ 25 - \frac{9}{80} = \underline{\quad} \\ 9 - \frac{6}{10} = \underline{\quad} \\ 10 - \frac{6}{10} = \underline{\quad} \\ 73 - \frac{17}{50} = \underline{\quad} \\ 50 - \frac{17}{50} = \underline{\quad} \\ 36 - \frac{19}{55} = \underline{\quad} \\ 55 - \frac{19}{55} = \underline{\quad} \\ 42 - \frac{18}{60} = \underline{\quad} \\ 60 - \frac{18}{60} = \underline{\quad} \\ 31 - \frac{12}{40} = \underline{\quad} \\ 40 - \frac{12}{40} = \underline{\quad} \end{array}$$

$$\begin{array}{r} 37 - \frac{19}{40} = \underline{\quad} \\ 40 - \frac{39}{70} = \underline{\quad} \\ 68 - \frac{39}{70} = \underline{\quad} \\ 75 - \frac{20}{90} = \underline{\quad} \\ 90 - \frac{20}{90} = \underline{\quad} \\ 49 - \frac{12}{60} = \underline{\quad} \\ 60 - \frac{12}{60} = \underline{\quad} \\ 74 - \frac{51}{99} = \underline{\quad} \\ 99 - \frac{51}{99} = \underline{\quad} \\ 12 - \frac{11}{23} = \underline{\quad} \\ 23 - \frac{11}{23} = \underline{\quad} \\ 18 - \frac{13}{33} = \underline{\quad} \\ 33 - \frac{13}{33} = \underline{\quad} \\ 12 - \frac{8}{150} = \underline{\quad} \\ 150 - \frac{8}{150} = \underline{\quad} \\ 130 - \frac{42}{200} = \underline{\quad} \\ 200 - \frac{42}{200} = \underline{\quad} \\ 83 - \frac{52}{180} = \underline{\quad} \\ 180 - \frac{52}{180} = \underline{\quad} \end{array}$$

$$\begin{array}{r} 52 - \frac{6}{60} - \frac{10}{60} = \underline{\quad} \\ 60 - \frac{6}{60} - \frac{10}{60} = \underline{\quad} \\ 70 - \frac{15}{90} - \frac{15}{90} = \underline{\quad} \\ 90 - \frac{15}{90} - \frac{15}{90} = \underline{\quad} \\ 17 - \frac{8}{25} - \frac{4}{25} = \underline{\quad} \\ 25 - \frac{8}{25} - \frac{4}{25} = \underline{\quad} \\ 8 - \frac{3}{9} - \frac{4}{9} = \underline{\quad} \\ 9 - \frac{3}{9} - \frac{4}{9} = \underline{\quad} \\ 8 - \frac{6}{6} - \frac{1}{6} = \underline{\quad} \\ 6 - \frac{6}{6} - \frac{1}{6} = \underline{\quad} \end{array}$$

$$\begin{array}{r} 15 - \frac{3}{20} - \frac{7}{20} - \frac{2}{20} = \underline{\quad} \\ 20 - \frac{3}{20} - \frac{7}{20} - \frac{2}{20} = \underline{\quad} \\ 16 - \frac{5}{18} - \frac{4}{18} - \frac{3}{18} = \underline{\quad} \\ 18 - \frac{5}{18} - \frac{4}{18} - \frac{3}{18} = \underline{\quad} \\ 72 - \frac{14}{90} - \frac{20}{90} - \frac{15}{90} = \underline{\quad} \\ 90 - \frac{14}{90} - \frac{20}{90} - \frac{15}{90} = \underline{\quad} \\ 35 - \frac{5}{40} - \frac{15}{40} - \frac{9}{40} = \underline{\quad} \\ 40 - \frac{5}{40} - \frac{15}{40} - \frac{9}{40} = \underline{\quad} \\ 60 - \frac{18}{70} - \frac{25}{70} - \frac{7}{70} = \underline{\quad} \\ 70 - \frac{18}{70} - \frac{25}{70} - \frac{7}{70} = \underline{\quad} \end{array}$$

Sčítání zlomků se stejným jmenovatelem.

$$\begin{array}{r} \frac{3}{4} + \frac{1}{4} = \underline{\quad} \\ \frac{6}{12} + \frac{5}{12} = \underline{\quad} \\ \frac{2}{3} + \frac{1}{3} = \underline{\quad} \\ \frac{4}{9} + \frac{3}{9} = \underline{\quad} \\ \frac{2}{8} + \frac{4}{8} = \underline{\quad} \\ \frac{7}{10} + \frac{2}{10} = \underline{\quad} \\ \frac{11}{15} + \frac{3}{15} = \underline{\quad} \\ \frac{15}{15} + \frac{3}{15} = \underline{\quad} \\ \frac{7}{14} + \frac{6}{14} = \underline{\quad} \\ \frac{14}{14} + \frac{6}{14} = \underline{\quad} \\ \frac{16}{25} + \frac{8}{25} = \underline{\quad} \\ \frac{25}{25} + \frac{8}{25} = \underline{\quad} \\ \frac{4}{11} + \frac{5}{11} = \underline{\quad} \\ \frac{11}{11} + \frac{5}{11} = \underline{\quad} \end{array}$$

$$\begin{array}{r} \frac{2}{7} + \frac{4}{7} = \underline{\quad} \\ \frac{1}{2} + \frac{1}{2} = \underline{\quad} \\ \frac{3}{5} + \frac{1}{5} = \underline{\quad} \\ \frac{3}{7} + \frac{1}{7} = \underline{\quad} \\ \frac{6}{12} + \frac{4}{12} = \underline{\quad} \\ \frac{12}{12} + \frac{4}{12} = \underline{\quad} \\ \frac{7}{15} + \frac{6}{15} = \underline{\quad} \\ \frac{15}{50} + \frac{9}{50} = \underline{\quad} \\ \frac{15}{60} + \frac{16}{60} = \underline{\quad} \\ \frac{12}{34} + \frac{21}{34} = \underline{\quad} \\ \frac{16}{44} + \frac{18}{44} = \underline{\quad} \\ \frac{44}{44} + \frac{18}{44} = \underline{\quad} \end{array}$$

$$\begin{array}{r} \frac{3}{8} + \frac{4}{8} = \underline{\quad} \\ \frac{2}{4} + \frac{1}{4} = \underline{\quad} \\ \frac{12}{18} + \frac{3}{18} = \underline{\quad} \\ \frac{20}{57} + \frac{32}{57} = \underline{\quad} \\ \frac{13}{42} + \frac{26}{42} = \underline{\quad} \\ \frac{14}{32} + \frac{17}{32} = \underline{\quad} \\ \frac{18}{24} + \frac{5}{24} = \underline{\quad} \\ \frac{32}{70} + \frac{27}{70} = \underline{\quad} \\ \frac{45}{90} + \frac{16}{90} = \underline{\quad} \\ \frac{54}{80} + \frac{17}{80} = \underline{\quad} \end{array}$$

$$\begin{array}{r} \frac{2}{7} + \frac{1}{7} + \frac{3}{7} = \underline{\quad} \\ \frac{2}{5} + \frac{1}{5} + \frac{1}{5} = \underline{\quad} \\ \frac{2}{9} + \frac{4}{9} + \frac{1}{9} = \underline{\quad} \\ \frac{1}{8} + \frac{4}{8} + \frac{1}{8} = \underline{\quad} \\ \frac{1}{1} + \frac{2}{1} + \frac{3}{1} = \underline{\quad} \end{array}$$

$$\begin{array}{r} \frac{8}{30} + \frac{3}{30} + \frac{7}{30} + \frac{6}{30} = \underline{\quad} \\ \frac{4}{10} + \frac{2}{10} + \frac{3}{10} + \frac{1}{10} = \underline{\quad} \\ \frac{15}{35} + \frac{6}{35} + \frac{12}{35} + \frac{1}{35} = \underline{\quad} \\ \frac{7}{30} + \frac{8}{30} + \frac{9}{30} + \frac{3}{30} = \underline{\quad} \\ \frac{14}{14} + \frac{8}{14} + \frac{12}{14} + \frac{5}{14} = \underline{\quad} \end{array}$$

### Vypočítej zlomek z čísla.

Zlomek z čísla vypočítáme tak, že číslo dělíme jmenovatelem a násobíme čitatelem.

Jak vypočítáme  $\frac{2}{3}$  z 18?

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----

1. Vypočítáme  $\frac{1}{3}$  z 18

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----

*(jmenovatel)*  
 $18 : 3 = 6$

2. Vypočítáme  $\frac{2}{3}$  z 18

*(čitatel)*  
 $2 \cdot 6 = 12$

Výsledek je :  $\frac{2}{3}$  z 18 je 12. Dvě třetiny z daného čísla vypočítáme tak, že nejprve vypočítáme jednu třetinu tohoto čísla a výsledek násobíme dvěma.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----

### Vypočítej.

$$\frac{2}{3} \text{ z } 36 = 36 : 3 = 12 \cdot 2 = 24$$

$$\frac{2}{3} \text{ z } 36 = 24$$

$$\frac{3}{4} \text{ z } 12 = \underline{\hspace{2cm}} \qquad \frac{2}{5} \text{ z } 40 = \underline{\hspace{2cm}} \qquad \frac{2}{4} \text{ z } 36 = \underline{\hspace{2cm}}$$

$$\frac{7}{8} \text{ z } 64 = \underline{\hspace{2cm}} \qquad \frac{7}{9} \text{ z } 90 = \underline{\hspace{2cm}} \qquad \frac{2}{7} \text{ z } 28 = \underline{\hspace{2cm}}$$

$$\frac{4}{6} \text{ z } 30 = \underline{\hspace{2cm}} \qquad \frac{4}{8} \text{ z } 64 = \underline{\hspace{2cm}} \qquad \frac{4}{7} \text{ z } 49 = \underline{\hspace{2cm}}$$

$$\frac{2}{3} \text{ z } 18 = \underline{\hspace{2cm}} \qquad \frac{3}{8} \text{ z } 16 = \underline{\hspace{2cm}} \qquad \frac{4}{6} \text{ z } 24 = \underline{\hspace{2cm}}$$

$$\frac{2}{5} \text{ z } 15 = \underline{\hspace{2cm}} \qquad \frac{6}{8} \text{ z } 64 = \underline{\hspace{2cm}} \qquad \frac{2}{5} \text{ z } 45 = \underline{\hspace{2cm}}$$

$$\frac{3}{7} \text{ z } 35 = \underline{\hspace{2cm}} \qquad \frac{4}{5} \text{ z } 25 = \underline{\hspace{2cm}} \qquad \frac{4}{6} \text{ z } 60 = \underline{\hspace{2cm}}$$

$$\frac{2}{3} \text{ z } 15 = \underline{\hspace{2cm}} \qquad \frac{3}{9} \text{ z } 36 = \underline{\hspace{2cm}} \qquad \frac{3}{4} \text{ z } 24 = \underline{\hspace{2cm}}$$

$$\frac{3}{4} \text{ z } 28 = \underline{\hspace{2cm}} \qquad \frac{4}{9} \text{ z } 18 = \underline{\hspace{2cm}} \qquad \frac{2}{3} \text{ z } 30 = \underline{\hspace{2cm}}$$

$$\frac{3}{4} \text{ z } 16 = \underline{\hspace{2cm}} \qquad \frac{3}{4} \text{ z } 8 = \underline{\hspace{2cm}} \qquad \frac{3}{4} \text{ z } 32 = \underline{\hspace{2cm}}$$

$$\frac{2}{3} \text{ z } 36 = 36 : 3 = 12 \cdot 2 = 24 ; \frac{2}{3} \text{ z } 36 = 24$$

$$\frac{5}{6} \text{ z } 30 = \underline{\hspace{2cm}} \qquad \frac{3}{6} \text{ z } 30 = \underline{\hspace{2cm}} \qquad \frac{2}{6} \text{ z } 30 = \underline{\hspace{2cm}}$$

$$\frac{2}{3} \text{ z } 21 = \underline{\hspace{2cm}} \qquad \frac{2}{4} \text{ z } 16 = \underline{\hspace{2cm}} \qquad \frac{3}{10} \text{ z } 80 = \underline{\hspace{2cm}}$$

$$\frac{3}{5} \text{ z } 50 = \underline{\hspace{2cm}} \qquad \frac{8}{10} \text{ z } 80 = \underline{\hspace{2cm}} \qquad \frac{2}{7} \text{ z } 49 = \underline{\hspace{2cm}}$$

$$\frac{7}{10} \text{ z } 80 = \underline{\hspace{2cm}} \qquad \frac{2}{3} \text{ z } 36 = \underline{\hspace{2cm}} \qquad \frac{2}{5} \text{ z } 15 = \underline{\hspace{2cm}}$$

$$\frac{2}{3} \text{ z } 18 = \underline{\hspace{2cm}} \qquad \frac{1}{2} \text{ z } 12 = \underline{\hspace{2cm}} \qquad \frac{2}{3} \text{ z } 24 = \underline{\hspace{2cm}}$$

$$\frac{3}{5} \text{ z } 30 = \underline{\hspace{2cm}} \qquad \frac{3}{4} \text{ z } 40 = \underline{\hspace{2cm}} \qquad \frac{2}{4} \text{ z } 8 = \underline{\hspace{2cm}}$$

$$\frac{4}{5} \text{ z } 20 = \underline{\hspace{2cm}} \qquad \frac{2}{5} \text{ z } 50 = \underline{\hspace{2cm}} \qquad \frac{6}{7} \text{ z } 49 = \underline{\hspace{2cm}}$$

$$\frac{6}{8} \text{ z } 56 = \underline{\hspace{2cm}} \qquad \frac{3}{4} \text{ z } 24 = \underline{\hspace{2cm}} \qquad \frac{2}{3} \text{ z } 9 = \underline{\hspace{2cm}}$$

$$\frac{3}{4} \text{ z } 28 = \underline{\hspace{2cm}} \qquad \frac{2}{4} \text{ z } 32 = \underline{\hspace{2cm}} \qquad \frac{4}{5} \text{ z } 50 = \underline{\hspace{2cm}}$$

$$\frac{4}{8} \text{ z } 16 = \underline{\hspace{2cm}} \qquad \frac{2}{8} \text{ z } 16 = \underline{\hspace{2cm}} \qquad \frac{1}{3} \text{ z } 330 = \underline{\hspace{2cm}}$$

$$\frac{2}{4} \text{ z } 28 = \underline{\hspace{2cm}} \qquad \frac{2}{10} \text{ z } 80 = \underline{\hspace{2cm}} \qquad \frac{1}{4} \text{ z } 440 = \underline{\hspace{2cm}}$$

Vypočítej jednu polovinu, jednu třetinu a jednu šestinu z daného čísla.

	18	54	36	30	42	48	24	60
$\frac{1}{2}$								
$\frac{1}{3}$								
$\frac{1}{6}$								

## VYPOČET ZLOMKU Z ČÍSLA

5. Sadat pan Holý má dvousetlitrový sud na jablečný mošt. Pro zákazníkky stáčí mošt do lahví o objemu 1 litr. Stočii už  $\frac{3}{4}$  objemu sudu. Kolik lahví naplnii? Kolik litrů moštu v sudu zbylo?

$\frac{1}{4}$  z 200 litrů je \_\_\_\_\_  $\frac{3}{4}$  z 200 litrů je \_\_\_\_\_

Pan Holý naplnil \_\_\_\_\_ lahví. V sudu zbylo \_\_\_\_\_ litrů jablečného moštu.

3

Vypočítej:

$\frac{6}{7}$  z 28 je \_\_\_\_\_  $\frac{5}{6}$  z 36 je \_\_\_\_\_  $\frac{3}{8}$  z 80 je \_\_\_\_\_  $\frac{6}{10}$  z 80 je \_\_\_\_\_

$\frac{2}{5}$  ze 45 je \_\_\_\_\_  $\frac{3}{20}$  ze 100 je \_\_\_\_\_  $\frac{5}{7}$  z 28 je \_\_\_\_\_  $\frac{4}{5}$  z 50 je \_\_\_\_\_

8

7. Bořek šel na navigaci pro cyklisty, která stojí 2 500 Kč.  $\frac{2}{5}$  této částky má už ušetřeno. Kolik Kč mu ještě chybí?

$\frac{1}{5}$  z 2 500 Kč je \_\_\_\_\_  $\frac{2}{5}$  z 2 500 Kč je \_\_\_\_\_

Bořek má ušetřeno: \_\_\_\_\_ Bořkovi chybí: \_\_\_\_\_

3

Vypočítej:

$\frac{15}{10}$  ze 100 je \_\_\_\_\_  $\frac{10}{8}$  z 24 je \_\_\_\_\_  $\frac{8}{5}$  z 15 je \_\_\_\_\_  $\frac{14}{7}$  z 35 je \_\_\_\_\_

4

9. Vypočítej a vyber vždy správné řešení. Co se nehodí, škrtni.

$\frac{9}{5}$  z 250 je  450  45  $\frac{12}{7}$  ze 420 je  350  720  $\frac{14}{10}$  z 1 000 je  140  1 400

3

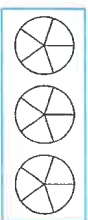
10. Zkontroluj správnost zápisů. Chyby škrtni a oprav.

$\frac{8}{5} = 1\frac{3}{5}$   $\frac{19}{6} = 2\frac{1}{6}$   $\frac{23}{4} = 5\frac{2}{4}$   $\frac{51}{9} = 6\frac{6}{9}$   $\frac{69}{10} = 6\frac{9}{10}$

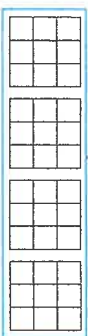
8

11. Vybarvi části útvarů podle zadání a smíšená čísla zapiš jako zlomky.

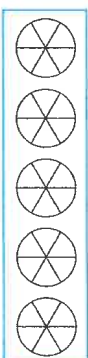
a)



b)



c)



$2\frac{2}{5} =$

$3\frac{7}{9} =$

$4\frac{4}{6} =$

3

Vypočítej.



1 hodina = 60 minut

čas	hodina	minuta	sekunda
20	$\frac{1}{60}$	$\frac{10}{60}$	$\frac{1}{60}$
	$\frac{1}{60}$	$\frac{20}{60}$	$\frac{2}{60}$
	$\frac{1}{60}$	$\frac{30}{60}$	$\frac{3}{60}$
	$\frac{1}{60}$	$\frac{40}{60}$	$\frac{4}{60}$
	$\frac{1}{60}$	$\frac{50}{60}$	$\frac{5}{60}$
	$\frac{1}{60}$	$\frac{60}{60}$	$\frac{6}{60}$

1 den = 24 hodin

čas	den	hodina	minuta
8	$\frac{1}{24}$	$\frac{8}{24}$	$\frac{0}{60}$
	$\frac{1}{24}$	$\frac{16}{24}$	$\frac{0}{60}$
	$\frac{1}{24}$	$\frac{24}{24}$	$\frac{0}{60}$
	$\frac{1}{24}$	$\frac{32}{24}$	$\frac{0}{60}$
	$\frac{1}{24}$	$\frac{40}{24}$	$\frac{0}{60}$
	$\frac{1}{24}$	$\frac{48}{24}$	$\frac{0}{60}$

1 m = 100 cm

čas	metr	centimetr
50	$\frac{1}{100}$	$\frac{50}{100}$
	$\frac{1}{100}$	$\frac{60}{100}$
	$\frac{1}{100}$	$\frac{70}{100}$
	$\frac{1}{100}$	$\frac{80}{100}$
	$\frac{1}{100}$	$\frac{90}{100}$
	$\frac{1}{100}$	$\frac{100}{100}$

1 rok = 12 měsíců

čas	rok	měsíc
6	$\frac{1}{12}$	$\frac{6}{12}$
	$\frac{1}{12}$	$\frac{7}{12}$
	$\frac{1}{12}$	$\frac{8}{12}$
	$\frac{1}{12}$	$\frac{9}{12}$
	$\frac{1}{12}$	$\frac{10}{12}$
	$\frac{1}{12}$	$\frac{11}{12}$
	$\frac{1}{12}$	$\frac{12}{12}$

1 hl = 100 l

čas	hektolitr	litr
50	$\frac{1}{100}$	$\frac{50}{100}$
	$\frac{1}{100}$	$\frac{60}{100}$
	$\frac{1}{100}$	$\frac{70}{100}$
	$\frac{1}{100}$	$\frac{80}{100}$
	$\frac{1}{100}$	$\frac{90}{100}$
	$\frac{1}{100}$	$\frac{100}{100}$